



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
PO040427	MES002-VC	1	1	Net 30	M304TS0.750W.049	304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft				600	7/19/2018	600		S094528	Stock	7/20/2018	\$ 3.80 / ft	0		\$2,280.00	Metaux Solutions	
		2			M304B0.250x0.500	304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				200		217		S094529	Stock	7/20/2018	\$ 4.25 / pcs	0		\$921.19	Metaux Solutions	
										Total:	800		817								\$2,417.23	

Plex 7/20/2018 1:17 PM dart.Tollis.Andrew

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Shipping Order

17/07/2018

Order : 136651
Reference : 40427
Ship : PICK UP / PICK UP

Customer : 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SSQT34340494	304 SQ TUBE .750 X .049 WALL 30 X 20' ***** HT: 9H855	600	600	Ø
SF14124HR	304 STAIN FLA .25" X .500" HR 17 X 12.75' HT: 67736108	216.75	216.75	Ø

SHIP JOURNEY COLLECT
JP

Shipping : _____
Package No : _____
Merchandise Received: _____
Ref. : _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO040427

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO040427

PO Date: 7/9/18

Due Date: 7/13/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

E-MAILED
JUL 09 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	-	7/13/18	600 ft	0 ft	600 ft	\$3.80/ft	\$2,280.00
2		M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	7/13/18	200 pcs	0 pcs	200 pcs	\$4.25/pcs	\$850.00

Grand Total: \$3,130.00

Order Notes

Plex 7/9/18 7:22 AM dart.lavoie.chanta

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/9/18 7:22 AM dart.lavoie.chantal

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

17 juillet 2018

Stainless Steel T.L.G. Welded Tubing.

Country of Melt: Taiwan, Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 0.049"W X 20'	9H855	MF	ASTM A554-16	MT-304
2:	3/4" SQ X 0.120"W X 20'	5H982	MF	ASTM A554-16	MT-304
3:	1-1/2" SQ X 0.180"W X 20'	5G289	MF	ASTM A554-16	MT-304
4:	2" SQ X 0.180"W X 20'	5H035	MF	ASTM A554-16	MT-304
5:	3" SQ X 0.120"W X 20'	TBH100713	MF	ASTM A554-16	MT-304

CHEMICAL PROPERTIES

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Cr</u>	<u>Ni</u>	<u>Mo</u>	<u>N</u>	<u>Cu</u>
1:	.015	.430	1.10	.035	.003	18.21	8.07			
2:	.020	.390	1.43	.029	.010	18.05	8.03			
3:	.018	.390	1.38	.033	.004	18.27	8.05			
4:	.024	.370	1.43	.031	.005	18.19	8.04			
5:	.028	.430	1.21	.033	.003	18.20	8.09			

MECHANICAL PROPERTIES

	Tensile (N/mm2)	Yield (N/mm2)	Elong. (%)	Hardness (HRB)	Flattening	Hydrostatic	Eddy Current
1:	698.00	352.00	46.00	89.50			
2:	641.00	297.00	53.00	86.00			
3:	654.00	327.00	52.00	89.00			
4:	628.00	292.00	53.00	85.00			
5:	668.00	326.00	51.00	88.00			

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE INACCORDANCE WITH ASTM A240.

Page: 1/1

Carrie Wang

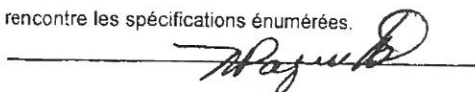
1/11/2018

Authorized Signature


Date

ITEM : 30 X 20'
COMMANDE : 136651
REF : 40427

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.



PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING




FINISH:  ASTM A554 MILL FINISH
OR ASTM A269 MILL FINISH

WHERE: A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

PART NUMBER: M304TS | A.AAA | W | .TTT
| WIDTH | | WALL |

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

RELEASED
2014-05-26

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3818)		DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING		AJS	09.10.19
B	DRAWING MOVED TO "B" SIZE BORDER FINISH ADDED (SEE NCR 08-045 FOR DETAILS).		AJS	08.08.28
A	NEW ISSUE		DS	01.08.08
REV.	DESCRIPTION		BY	DATE
DRAWN	DS			
CHECKED	DB			
MFG. APPR.		DRAWING NO.		
APPROVED		M304TS		
DE APPR.		TITLE		
DATE	14.05.20	304/316 SQUARE TUBING		
		SCALE		NONE
		REV. D		SHEET 1 OF 1
		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
		COPYRIGHT © 2014 DART AEROSPACE LTD THE DRAWING IS PRIVATE AND CONFIDENTIAL. ALL RIGHTS ARE RESERVED. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.		

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304 TSD. 750W. 049

PO / BATCH NO.: P0040427 / S094528

DATE: 18/07/20

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 0.750"

QUANTITY RECEIVED: 600'

THICKNESS RECEIVED: 0.750"

QUANTITY INSPECTED: 600'

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ASTM A554
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LT: 94855
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____		
DATE: <u>18/07/20</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

BOLLINGHAUS
STEEL

Bollinghaus Steel, SA
DIN EN ISO 9001:2008
TUV CERT No. 01 100 030458

Abnahmeprüfung/Test Certificate/Certif. de Qualidade

EN 10204:2004 / 3.1

No.: / Nr.: / Nr.:

0000136628

Unsere innere Verwelsung / Our Int. Ref / ref int

Datum / Date / Data

5800038278 000010

19.12.2017

Spezifikation / Standards / Normas

TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 ecc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A183/A183M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A262-15 Pract. E, AMS QQ-S-763D, AMS 5630J, AMS 5847K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.

Kunde / Customer / Cliente

Endgültiger Kunde / Final Customer / Cliente Final

Bestell Nr./Order Nr./Enc.Nr. c110766

Bestell Nr./Order Nr./Enc.Nr. c110766.1

Produktgruppe / Product Group / Grupo Produto

Gewicht / Weight / Peso

Bunde / Bundle / Atados

AlSi 304L FLAT 1/4 X 1/2"

1.059 lb

01

Werkstoff-Nr.
Material-no.
Qualidade 1.4307

Werkstoff-Normbezeichnung / Material standard grade / Norma do material
X 2 CrNi 18-9

Beschreibung / Description / Descrição

Stainless steel flat bars, hot rolled, heat treated, straightened and pickled
US DFAR 252.225-7009: MELT SOURCE: France / MFG: Portugal.

Schmelzen Nr.
Cast nr. / Fusão nr.

Chemische Analyse in % / Chemical composition in % / Análise química em %

67736108

C

0.018

Si

0.525

Mn

1.164

P

0.029

S

0.025

Cr

18.127

Ni

8.045

Mo

0.376

Co

0.117

Cu

0.406

N

0.080

Ti

0.002

-

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Proben Nr.
Test no.
Assinatura no.

ASTM E399

Kerbschlagarbeit
Impact Test
Resiliência

{Charpy V}

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SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION:
PART NUMBER: M304B | T.TTT | X | WWW.WWWW |
| THICK | | WIDTH |

WHERE "T.TTT" = THICKNESS IN INCHES
AND "WWW.WWWW" = WIDTH IN INCHES

△ EG. 0.5" x 3.0" BAR = M304B0.500X03.000
△ EG. 0.5" x 12.0" PLATE = M304B0.500X12.000

RELEASED
2010-11-30

C	ADDED PLATE TO PURCHASE MATERIAL. ADDED PLATE RELATED SPECIFICATIONS, AND EG. CHANGED TITLE FROM "304/316 BAR" TO "304/316 BAR/PLATE"	MB	10.11.25
B	REFORMAT DWG. ADD SPECS (2N D8-1). REF PAR 08-020A	CP	09.07.15
A	NEW ISSUE	PH	05.06.10
REV	DESCRIPTION	BY	DATE
DESIGN	PH		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.11.25		

DART AEROSPACE LTD	
HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	REV C
M304B	SHEET 1 OF 1
TITLE	SCALE
304/316 BAR/PLATE	NTS
COPYRIGHT © 2005 BY DART AEROSPACE LTD	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.250x0.500
 DATE: 18/07/20

PO / BATCH NO.: P0040427/5094529

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 210.75'
 QUANTITY INSPECTED: 210.75'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250"
 THICKNESS RECEIVED: 0.250"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	<u>(Y)</u> N	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u> N	ASTM A276
CORRECT THICKNESS	<u>(Y)</u> N	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u> N	MT: 67736108
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u> N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> DATE: <u>18/07/20</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in